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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,595	10/03/2006	Patrik Lownertz	128.1282USN	1424
33369 7590 09/17/2009 FASTH LAW OFFICES (ROLF FASTH)			EXAM	IINER
26 PINECREST PLAZA, SUITE 2			POPOVICS, ROBERT J	
SOUTHERN PINES, NC 28387-4301			ART UNIT	PAPER NUMBER
			1797	
			NOTIFICATION DATE	DELIVERY MODE
			09/17/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

sloan.smith@fasthlaw.com nan_russell@fasthlaw.com

	Application No.	Applicant(s)	
Office Action Commence	10/599,595	LOWNERTZ, PAT	RIK
Office Action Summary	Examiner	Art Unit	
	/Robert James Popovics/	1797	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be timil apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	1. lely filed the mailing date of this co ○ (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on			
	- action is non-final.		
3) Since this application is in condition for allowan	ce except for formal matters, pro	secution as to the	merits is
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-17</u> is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	n from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-17</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examiner			
10) The drawing(s) filed on is/are: a) acce		- - - - -	
Applicant may not request that any objection to the o			
Replacement drawing sheet(s) including the correcti			-R 1 121(d)
11) The oath or declaration is objected to by the Exa			, ,
Priority under 35 U.S.C. § 119			
<u> </u>	nuicuitu undan 25 H.C.C. \$ 440/a)	(d) on (f)	
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a)	-(a) or (i).	
1.☐ Certified copies of the priority documents	s have been received		
2. Certified copies of the priority documents		on No	
3. ☐ Certified copies of the priority documents	• •		Stage
application from the International Bureau		d III tilis National	Otage
* See the attached detailed Office action for a list of		d	
		u.	
Attachment(s)	_		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) ☐ Interview Summary Paper No(s)/Mail Da		
2) \(\sqrt{10-948} \) 3) \(\sqrt{10-948} \) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P		
Paper No(s)/Mail Date	6) Other:		

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DETAILED ACTION

Claim Rejections - 35 USC § 112

Claims **12-17** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims **12-17** specify an "arrangement." It is unclear which statutory class of invention Applicant intends to claim.

Claim Rejections - 35 USC § 102/103

Claims **1-17** rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Ingelman (US 2004/0069721)**.

<u>Official Notice</u> is taken of the fact that pressurized disc filters are often used during the production of white liquor to separate lime mud from the white liquor.

Ingelman is seen to meet the limitations of the claims. **Valves 26a** and **26b** are seen to meet the limitation of air admission.

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(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2004/0069721 A1 Ingelman et al. (43) Pub. Date: Apr. 15, 2004

(54) PIPE SYSTEM FOR RECEIVING AND TRANSPORTING LIME SLUDGE FROM A WHITE LIQUOR FILTER

(76) Inventors: Magnus Ingelman, Karlstad (SE); Jan Tjernberg, Forshaga (SE)

> Correspondence Address: FASTH LAW OFFICES 629 E. BOCA RATON ROAD PHOENIX, AZ 85022 (US)

(21) Appl. No.: 10/250,885

(22) PCT Filed: Feb. 5, 2002

(86) PCT No.: PCT/SE02/00195

(30) Foreign Application Priority Data

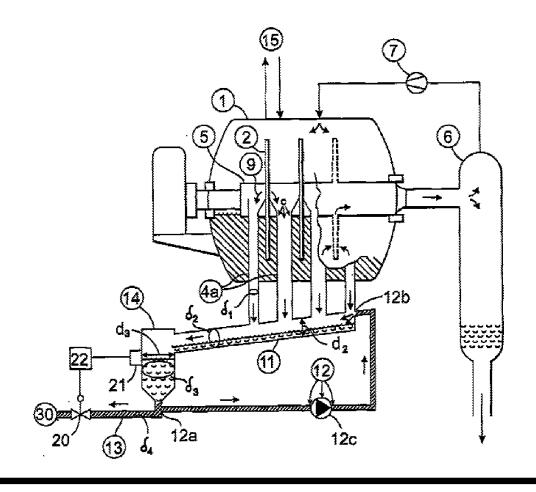
Publication Classification

Page 3

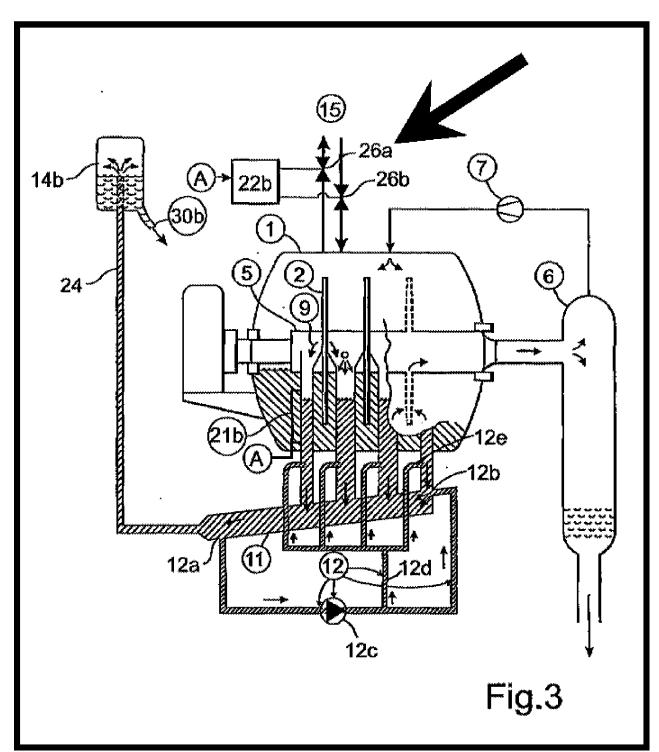
(51)	Int. Cl.7	B01D 29/6	2
(52)	U.S. Cl.	210/767 : 210/79	ŝ

(57) ABSTRACT

The pipe system is for receiving and transporting lime sludge from a filter medium in a continuously operating pressurized filter 1 in a causticizing process, where lime sludge is scraped off from the filter medium 2 and falls down into receiving chutes 4a for the lime sludge. Conventional storage tanks for scraped-off lime sludge and their mechanical agitators are thus replaced by a pipe system 11 where the pipe system does not have a mechanical agitator at all but has a flow cross section which maintains a flow rate in the lime sludge so that sedimentation of the lime sludge does not take place from the receiving chute 4a to the feed-out opening 30 of the pipe system.



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Prior Art

The following teachings are noted:

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United States Patent [19] Strid et al. [54] FILTER FOR CONTINUOUS FILTRATION [76] Inventors: Kent Strid, Svadenvägen 11, S-810 28 Järbo; Hans Å. Karlsson, Slånstigen 8, S-776 00 Hedemora; Per Larsson, Gimlestigen 15, S-774 00 Avesta, all of Sweden [21] Appl. No.: 655,395 [22] PCT Filed: Jun. 13, 1990 [86] PCT No.: PCT/SE90/00413 § 371 Date: Apr. 15, 1991 § 102(e) Date: Apr. 15, 1991 [87] PCT Pub. No.: WO96/15655 PCT Pub. Date: Dec. 27, 1990 [30] Foreign Application Priority Data [52] U.S. Cl. 210/178; 210/180; 210/181; 210/187; 210/210; 210/218; 210/259; 210/179, 180, 181, 182, 187, 210, 218, 252, 253, 258, 259, 260; 55/20, 28, 76, 78, 267, 270, 316

[11] Patent Number:

5,151,176

[45] Date of Patent:

Sep. 29, 1992

[56] References Cited

U	.S. FA.1	ENID	OCOMEN 15	
0.787	10/1976	Yaraza:	,	

4,120,787	10/1976	Yargeau	210/180
4,775,484	10/1988	Schmidt et al	210/181
4,931,176	6/1990	Guinara	210/182

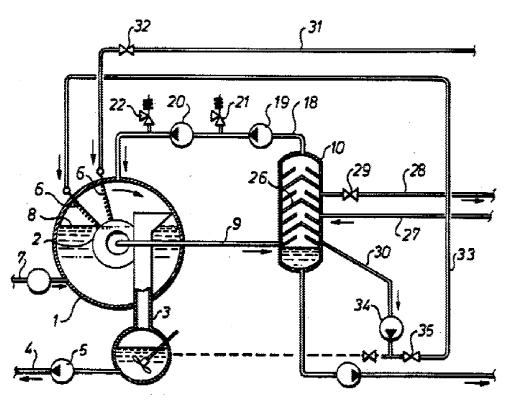
Primary Examiner—Robert A. Dawson Assistant Examiner—W. L. Miliard

Attorney, Agent, or Firm-Pollock Vande Sande & Priddy

[57] ABSTRACT

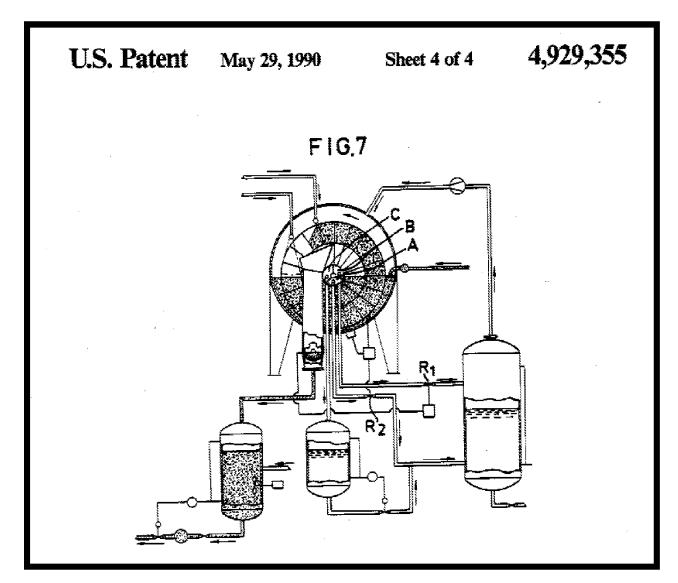
A filter for continuous filtration of a liquid includes conventionally a vessel having a center shaft on which is arranged at least one rotating filter element defining an inner space for liquid obtained at filtration. Further there is provided a washing device for washing of material deposited on the filter element, a connection between said inner space and outlet means from said vessel and a separator connected to said outlet and adapted for separating filtrate and gas. Means is provided outside said vessel for generating an overpressure in the gas space of the vessel and a lower pressure in the interior of the filter element at least corresponding to the evaporating temperature of the filtrated liquid for evaporation of the liquid in the separator. The separator is provided with a cooling device for cooling the separated gas and an outlet for condensate obtained at cooling.

8 Claims, 3 Drawing Sheets



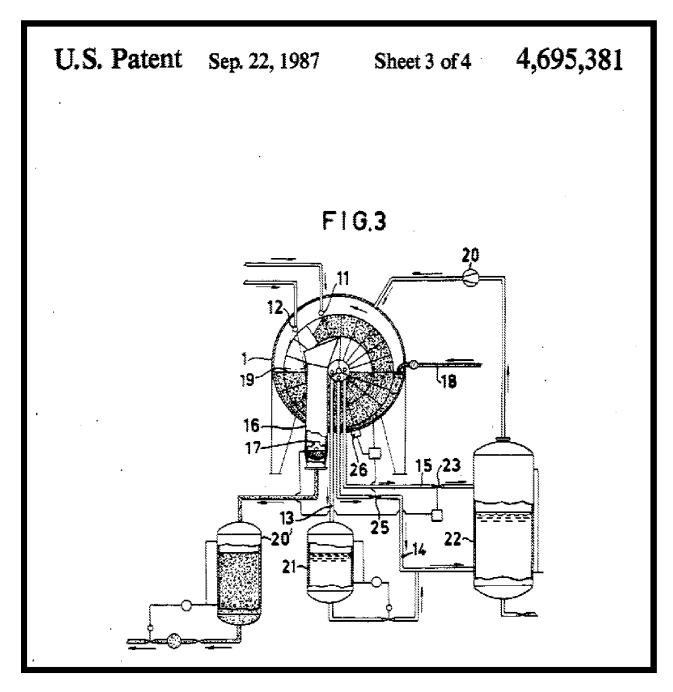
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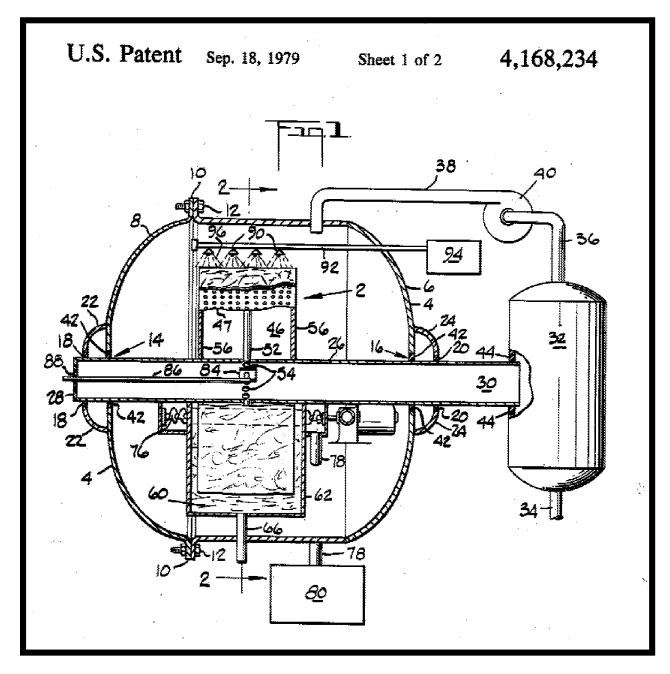


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Any inquiry concerning this communication should be directed to /Robert James Popovics/ at telephone number (571) 272-1164.

/Robert James Popovics/ Primary Examiner Art Unit 1797